CLASSIFICATION OF SUBJECT MATTER PC 7 B01J13/10 B01J A23L1/30 A23P1/04 A61K9/50 IPC 7 B01J13/14 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) B01J A23L A23P A61K IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, FSTA, BIOSIS C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 1,2,9, X RENARD D ET AL: "Biopolymeric colloidal carriers for encapsulation or controlled 10,15 release applications." INTERNATIONAL JOURNAL OF PHARMACEUTICS (KIDLINGTON), vol. 242, no. 1-2, 2002, pages 163-166, XP002240500 21 August, 2002 ISSN: 0378-5173 page 165 -page 166; figure 3 1,2,4-6Y WO 02 41711 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL)) 11,14,15 30 May 2002 (2002-05-30) page 10, line 15 - line 33; claims 1-10 1,2,4-6, Further documents are listed in the continuation of box C. Patent family members are listed in annex. X Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the Invention "E" earlier document but published on or after the international "X" document of particular relevance; the daimed invention cannot be considered novel or cannot be considered to filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 02/03/2004 16 February 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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C (Continuation) D	OCUMENTS CONSIDERED TO BE RELEVANT	1 C 1 / E 1 0 3 / 1 2 0 0 0
•	n of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
or ka FC CC TL TE E1 S#	JLD ELEYA M M ET AL: "The effects of pH the rheology of beta -lactoglobulin/appa -carrageenan mixed gels." DOD HYDROCOLLOIDS 14 (3) 245-251 2000 DORRESPONDENCE (REPRINT) ADDRESS, S. L. JURGEON, CENT. DE RECHERCHE EN SCI. ET ECH. DU LAIT, FAC. DES SCI. DE L'AGRIC. TOE L'ALIMENTATION, UNIV. LAVAL, AINTE-FOY, QUE. GIK 7P4, CANADA. TEL. 1-4, XP002240501 paragraph '03.2!	1,2,4-6, 11,14,15
aç be a† F(L/ AI F(L) +:	CHMITT C ET AL: "Effect of protein ggregates on the complex coacervation etween beta -lactoglobulin and acacia gum t pH 4.2." OOD HYDROCOLLOIDS 14 (4) 403-413 2000 AB. DE PHYSICO-CHIMIE ET GENIE LIMENTAIRES, INPL-ENSAIA, 2 AVE. DE LA ORET DE HAYE, BP 172, F-54505 VANDOEUVRE ES NANCY CEDEX, FRANCE. TEL. 33-3-83-59-58-61. FAX +33-3-83-59-58-04. -MAIL CHR, XP002240502 paragraphs '0001!, '3.5.2!, '0004!	1,2,4-6, 9-15
2	S 5 691 060 A (LEVY MARIE-CHRISTINE) 5 November 1997 (1997-11-25) olumn 1 -column 3, line 65 examples 14-17,20 claims 1-9,11-18	1-18
1 c	S 5 952 007 A (VISSER JOHANNES ET AL) 4 September 1999 (1999-09-14) olumn 2, line 28 -column 4, line 47; laims 1-7	1-18
P F D C +	RUIF C G DE ET AL: "Polysaccharide rotein interactions." OOD HYDROCOLLOIDS 15 (4-6) 555-563 2001 EBYE RES. INST., UNIV. OF UTRECHT, 3584 H UTRECHT, NETHERLANDS. TEL. 31-318-659511. FAX +31-318-650400. E-MAIL G.DEKRUIF(A)CHEM.UU.NL, XP002240503 paragraphs '3.1.2!-'3.1.4!	1-18

		PCTTEP 03	3/12886
C.(Continue	tion) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	SYRBE A ET AL: "Polymer science concepts in dairy systems — an overview of milk protein and food hydrocolloid interaction." INTERNATIONAL DAIRY JOURNAL 8 (3) 179-193 1998 NESTLE RES. CENT., BP 44, VERS-CHEZ-LES-BLANC, CH 1000 LAUSANNE 26, SWITZERLAND, XP002240504 page 180 -page 182 page 186		1-18
A	EP 0 782 883 A (JAPAN CAPSULAR PRODUCTS INC ;AJINOMOTO KK (JP)) 9 July 1997 (1997-07-09) the whole document		7,8,17, 18
E	EP 1 371 410 A (NIZO FOOD RES) 17 December 2003 (2003-12-17)		1,2, 4-15,17, 18
	column 3, paragraph 13 -column 5, paragraph 26 example 2 claims 1-10		
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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 0241711	A 30-05-2002	AU	1905602 A	03-06-2002
		WO	0241711 A1	30-05-2002
		EP	1335652 A1	20-08-2003
		US	2003017239 A1	23-01-2003
US 5691060	A 25-11-1997	FR	2694894 A1	25-02-1994
		CA	2142961 A1	03-03-1994
		EP	0655946 A1	07-06-1995
		WO	9404261 A1	03-03-1994
		JP	8509246 T	01-10-1996
US 5952007	A 14-09-1999	AT	180388 T	15-06-1999
		AU	684738 B2	08-01-1998
		AU	5812194 A	19-07-1994
		CA	2152386 A1	07-07-1994
		CN	1090474 A	10-08-1994
		CZ	9501638 A3	17-01-1996
		DE	69325112 D1	01-07-1999
		DE	69325112 T2	23-09-1999
		DK	790780 T3	15-11-1999
		WO	9414334 A1	07-07-1994
		EP	0790780 A1	27-08-1997
		ES	2131671 T3	01-08-1999
•		HU	72131 A2	28-03-1996
		MX	9400134 A1	29-07-1994
		PL	309632 A1	30-10-1995
		SK	82995 A3	08-11-1995
		ZA	9309417 A	15-06-1995
EP 0782883	A 09-07-1997		9248137 A	22-09-1997
		CN	1161790 A ,	
		DE	69723122 D1	07-08-2003
		ΕP	0782883 A2	09-07-1997
		US	2003008040 A1	09-01-2003
		US	6475542 B1	05-11-2002
EP 1371410	A 17-12-2003	EP WO	1371410 A1 03106014 A1	17-12-2003 24-12-2003